

PTO/SB/08A (10-01)

Approved for use through 10/31/2002. OMB 0651-0031

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Sheet 1 of 1

Complete If Known

Application Number	10/020,579
Filing Date	December 14, 2001
First Named Inventor	Ye WANG
Group Art Unit	2655
Examiner Name	Michael Opsasnick
Attorney Docket Number	004770.00035

U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
MO		US- 6,064,954	05-2000	Cohen et al.	
MO		US- 6,199,039	03-2001	Chen et al.	
MO		US- 6,453,282	09-2002	Hilpert et al.	
MO		US- 5,040,217	08-1991	Brandenburg et al.	
MO		US- 5,285,498	02-1994	Johnston	
MO		US- 5,481,614	01-1996	Johnston	

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Examiner Initials *	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
MO		Herre, J. et al., "Extending the MPEG-4AAC Codec by Perceptual Noise Substitution, 104 th AES Convention, Amsterdam 1998, preprint 4720	
MO		UMTS (Universal Mobile Telecommunications System), < http://www.pcwebopedia.com/TERM/U/UMTS.html >, 12/13/2001.	
MO		WLAN (Wireless Local Area Network), < http://www.pcwebopedia.com/TERM/W/WLAN.html >, 12/13/2001.	
MO		WDDMA (Wideband CDMA), < http://www.pcwebopedia.com/TERM/W/WCDMA.html >, 12/13/2001.	
MO		GPRS (General Packet Radio Service), < http://www.pcwebopedia.com/TERM/G/GPRS.html >, 12/13/2001.	
MO		GSM (Global System for Mobile Communications), < http://www.pcwebopedia.com/TERM/G/GSM.html >, 12/13/2001.	
MO		Davis Pan, "A Tutorial on MPEG/Audio Compression," IEEE Multimedia, pp. 60-74, (Summer 1995).	
MO		A Free Audio Compression Format? http://www.sulaco.org/mp3/free.html .8/24/2001.	
MO		Yajnik, M. et al., "Packet Loss Correlation in the Mbone Multicast Network", Proc. IEEE Global Internet Conference, Nov. 1996.	
MO		Jayant, N.S., et al., "Effects of Packet Losses in Waveform Coded Speech and Improvements due to an Odd-Even Sample Interpolation Procedure", IEEE Trans. Commun., vol. COM-29, no. 2, Feb. 1981, pp. 101-109	
MO		Carle, G., et al., "Survey of Error Recovery Techniques for IP-Based Audio-Visual Multicast Applications", IEEE Network, Nov/Dec 1997.	
MO		Wang, Y. et al., "A Compressed Domain Beat Detector Using MP3 Audio Bitstream", The 9 th ACM International Multimedia Conference (ACM Multimedia 2001), September 30 - October 5, 2001, Ottawa, Ontario, Canada pp. 194-202	

Examiner
Signature *M. M. Opsasnick*Date
Considered

5/25/05

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet	1	of	1
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Complete if Known

Application Number	09/968,482 10/030579
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Filing Date	Sep. 28, 2001
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First Named Inventor	Wang, Ye et al.
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Group Art Unit	2654
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Examiner Name _____

Attorney Docket Number	004770.00023
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U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. [†]	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code [§] (if known)			
		US-			
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet	1	of	2
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Complete If Known

Application Number	10/020,579
Filing Date	December 14, 2001
First Named Inventor	Wang, Ye
Group Art Unit	2133
Examiner Name	TBD
Attorney Docket Number	004770.00035

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M. M. G. P. 1911

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**INFORMATION DISCLOSURE
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Sheet 2 of 2

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Application Number	10/020,579
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First Named Inventor	Wang, Ye
Group Art Unit	2133
Examiner Name	TBD
Attorney Docket Number	004770.00035

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MO	F	BOSSE, Modified Discrete Cosine Transform (MDCT), March 7, 1999, available at http://ccrma-www.stanford.edu/~bosse/proj/node27.html	
MO	G	FRAUNHOFER, MPEG Audio Layer-3, available at http://www.lis.fhg.de/amm/techinf/layer3/index.html	
MO	H	WCDMAN - the wideband 'radio pipe' for 3G services, September 17, 1999, available at http://www.ericsson.com/wireless/productsys/gsm/subpages/umts_and_3g/wcdman.shtml	
MO	I	GSM Frequently Asked Questions, October 23, 2000, available at http://www.gsmworld.com/technology/law.html	
MO	J	PERKINS, HODSON, Options for Repair of Streaming Media, Network Working Group RFC 2354, The Internet Society, June 1998.	
MO	K	GOTO & HAYAMIZU, A Real-time Music Scene Description System: Detecting Melody and Bass Lines in Audio Signals, August 1999, Working Notes of the IJCAI-99 Workshop on Computational Auditory Scene Analysis, p. 31-40.	

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PTO-1449 (Modified)

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.
004770.00035SERIAL NUMBER
10/020,579APPLICANT
Ye WangINFORMATION DISCLOSURE STATEMENT
BY APPLICANTFILING DATE
December 14, 2001GROUP ART UNIT
2133

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE

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FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES/NO
MO	197 36 669	10/22/98	DE			
MO	1 207 519	5/22/02	EPO			

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

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MO	Y. Wang et al., "A Compressed Domain Beat Detector Using MP3 Audio Bitstreams", Proceedings Of The ACM International Multimedia Conference And Exhibition 2001, ACM Multimedia 2001 Workshops, September 30, 2001, pages 194-202
MO	Y. Wang, "A Beat-Pattern based Error Concealment Scheme for Music Delivery with Burst Packet Loss", 2001 IEEE International Conference on Multimedia and Expo, ICME 2001, August 22-25, 2001, pages 73-76

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EXAMINER: Initial citation if reference was considered. Draw line through citation if not in conformance to MPEP 609 and not considered. Include copy of this form with next communication to applicant.	

IDS w/1449 form filed: September 18, 2002

FORM PTO-1449 (Rev. 2-32)	U.S. Department of Commerce Patent and Trademark Office		Atty. Docket No. 004770.00035	Serial No. 10/020,579
			Applicant: Ye Wang	
			Filing Date: December 14, 2001	Group: 2133

INFORMATION DISCLOSURE STATEMENT BY APPLICANT
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C I P E J C A T
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U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
MO	5,148,487	09/15/1992	Nagai et al			
MO	5,579,430	11/26/1996	Grill et al			
MO	5,852,805	12/22/1998	Hiratsuka et al			

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	Document Number	Date	Country	Class	Subclass	Translation	
						Yes	No
MO	0 718 982 A2	06/26/1996	EP				
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MO	2	BOLOT et al, Analysis of Audio Packet Loss in the Internet, Proc. Of 5 th Int. Workshop on Network and Operating System Support for Digital, Audio and Video, pp. 163-174, Durham, April 1995
MO	3	International Standard ISO/IEC, Information Technology - Coding of Moving Pictures and Associated Audio for Digital Storage Media at up to About 1.5 Mbit/s - Part 3, Audio Technical Corrigendum 1, Published 1996-04-15
MO	4	STENGER et al, A New Error Concealment Technique for Audio Transmission with Packet Loss, Telecommunications Institute, University of Erlangen-Nuremberg, Cauerstrasse 7, 91058 Erlangen, Germany, Eusipco 1996
MO	5	McKINLEY et al, Experimental Evaluation of Forward Error Correction on Multicast Audio Streams in Wireless LANs, Department of Computer Science and Engineering, Michigan State University, East Lansing, Michigan 48824, pp. 1 - 10, Copyright 2000 ACM
MO	6	NISHIHARA et al, A Practical Query-By-Humming System for a Large Music Database, NTT Laboratories, 1 - 1 Hikarinooka, Yokosuka-shi, Kanagawa, 239-0847, Japan pp. 1 - 38
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MO	8	PERKINS, C., Hodson, O., Hardman, V., "A Survey of Packet-loss Recovery Techniques for Streaming Audio," IEEE Network, Sept/Oct. 1998.
MO	9	ETSI Rec. GSM 6.11, "Substitution and Muting of Lost Frames for Full Rate Speech Signals," 1992
MO	10	GOODMAN, O.J. et al., "Waveform Substitution Techniques for Recovering Missing Speech Segments in Packet Voice Communications," IEEE Trans. Acoustics, Speech, and Sig. Processing, vol. ASSP-34, no. 6, Dec. 1986, pp. 1440-1448

MP	11	WASEM, O.J. et al, "The Effects of Waveform Substitution on the Quality of PCM Packet Communications," IEEE Trans. Acoustics, Speech, and Sig. Processing, vol. 36 no. 3, March 1988, pp. 342 - 348
MP	12	SANNECK, H. et al., "A New Technique for Audio Packet Loss Concealment," IEEE Global Internet 1996, Dec. 1996 pp. 48 - 52
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